

Immunological Detection of Prion Diseases

Kascsak et al.
(Antibody 3F4)

Tissue homogenate
from infected animal

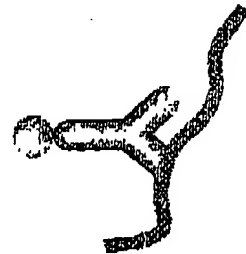


↓ Proteinase K

PrP27-30
(i.e. protease resistant
core of PrPSc)



↓ Denaturation

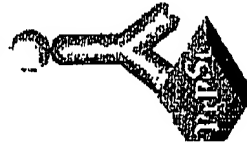


Denatured PrP27-30

Prusiner et al.



↓ Proteinase K



No evidence that recombinant protein
is structurally different from
native disease specific protein

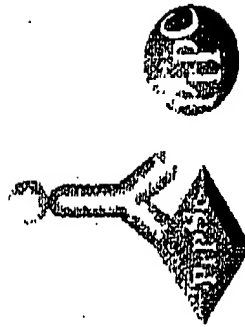
immunize O/O

(purified PrP^{Sc})

panning ~~severely~~ for those
that don't bind PrP^C
and only bind PrP^{Sc}



Korth et al.



recombinant protein
oxidized

in situ → tissue fixed
thenly denatured